|-----| | MATERIAL SAFETY DATA SHEET | |-----

| SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN SPANISH UPON REQUEST. LOS DATOS DE SEGURIDAD DEL PRODUCTO PUEDEN OBTENERSE EN ESPANOL SI LO REQUIERE.

PRODUCT NAME : DAP FLEXIBLE CLEAR SEALANT

UPC NUMBER : 7079818384

PRODUCT USE/CLASS : Solvent based caulk

MANUFACTURER: 24 HOUR EMERGENCY:

DAP INC. TRANSPORTATION: 1-800-535-5053 (352-323-3500) 2400 BOSTON STREET MEDICAL : 1-800-327-3874 (513-558-5111)

BALTIMORE, MD 21224

PREPARE DATE: 03/03/1999 GENERAL INFORMATION:

REVISION NO. : 6 DAP INC. : 1-888-DAP-TIPS (1-888-327-8477)

REVISION DATE: 08/01/2000

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS	

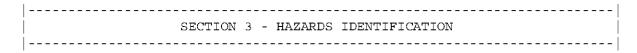
ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % RANGE
01	XYLENE MINERAL SPIRITS	1330-20-7	25.0-40.0 %
02		64742-48-9	5.0-10.0 %

]	EXPOSURE LIMIT:	S		
	ACC	SIH	OSH	A	COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	100 ppm.	150 ppm.	100 ppm.	N.E.	N.E.	YES
02	100 ppm.	N.E.	100 ppm.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard.

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states.



EMERGENCY OVERVIEW: DANGER! Flammable liquid and vapor. Vapor harmful. Harmful or fatal if swallowed. Vapors may cause flash fire or explosion. Aspiration hazard if swallowed - can enter lungs and cause damage. Harmful if inhaled. May irritate eyes, skin nose and upper respiratory tract.

Product Name: DAP FLEXIBLE CLEAR SEALANT

Revision Date: 08/01/2000 Page 2

SECTIO	N 3 -	HAZARDS	IDENTIFICATION	

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May irritate skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

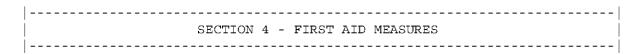
EFFECTS OF OVEREXPOSURE - INHALATION: Vapor harmful if inhaled. Vapor may irritate nose and upper respiratory tract. Vapor inhalation may affect the brain or nervous system causing dizziness, headache or nausea.

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal. If ingested, this product may cause vomiting, diarrhea, and depressed respiration.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated permanent brain and nervous system damage with prolonged and repeated occupational overexposure to solvents. Overexposure or misuse of xylene can cause liver, kidney, and brain damage as well as cardiac abnormalities. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: None known.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION



EYE CONTACT: Flush with large quantities of water for at least 15 minutes until irritation subsides. Contact a physician.

SKIN CONTACT: Wash with soap and water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Contact a physician immediately.

NOTE: Only trained personnel should administer oxygen and/or artificial respiration.

INGESTION: DO NOT INDUCE VOMITING. If irritation or complications arise, contact a physician or Regional Poison Control Center immediately.

COMMENTS: None.

______ Product Name: DAP FLEXIBLE CLEAR SEALANT Revision Date: 08/01/2000 Page 3 SECTION 5 - FIRE FIGHTING MEASURES FLASH POINT: 80 F. LOWER EXPLOSIVE LIMIT: N.A. (TAG CLOSED CUP) UPPER EXPLOSIVE LIMIT: N.A. AUTOIGNITION TEMPERATURE: N.E. EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable. Material will readily ignite at room temperature. Vapors may form an explosive mixture with air. Vapors can travel through a source of ignition and flashback. Containers may explode if exposed to extreme heat. Eliminate sources of ignition: heat, electrical equipment, sparks, and flames. Do not put in contact with oxidizing or caustic materials. SPECIAL FIREFIGHTING PROCEDURES: Full protective equipment, including self-contained breathing apparatus, is recommended to protect from combustion products. Cool exposed containers with water. |-----SECTION 6 - ACCIDENTAL RELEASE MEASURES _____ SPILL OR LEAK PROCEDURES: Dike spill area. Immediately eliminate sources

of ignition. Use absorbent material or scrape up dried material and place into containers.

SECTION 7 - HANDLING AND STORAGE _____

HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. Avoid skin and eye contact. Avoid breathing vapors. Use only in a well ventilated area.

STORAGE INFORMATION: Store away from caustics and oxidizers. Keep away from heat, spark, and flame. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal. Do not take internally. Construction and repair activities can adversely affect indoor air quality. Consult with the occupants or a representative (i.e. maintenance, building manager, industrial hygienist, or safety officer) to determine ways to minimize any impact.

Product Name: DAP FLEXIBLE CLEAR SEALANT

Revision Date: 08/01/2000 Page 4

|-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION _____

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure below PEL and TLV. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, etc.) for vapors before entering.

RESPIRATORY PROTECTION: If 8 hour exposure limit or value is exceeded for any component, use an approved NIOSH/OSHA respirator. Consult your safety equipment supplier and the OSHA regulation, 29 CFR 1910.134 for respirator requirements. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

EYE PROTECTION: Goggles or safety glasses with side shields.

SKIN PROTECTION: Solvent impervious gloves.

OTHER PROTECTIVE EQUIPMENT: Provide eyewash and solvent impervious apron if body contact may occur.

HYGIENIC PRACTICES: Remove contaminated clothing and wash before reuse.

	 	 	. – – – -				. – – – – – –		. – – – – – –		 . – – – – –
			SECT	TION	9	-	PHYSICAL	AND	${\tt CHEMICAL}$	PROPERTIES	
1	 	 									

BOILING RANGE : Not Available VAPOR DENSITY : Is heavier than air

ODOR : Aromatic

APPEARANCE : Clear Liquid EVAPORATION RATE: Is faster than Butyl

SOLUBILITY IN H2O : Negligible Acetate

SPECIFIC GRAVITY : 1.06

VAPOR PRESSURE : 23 mm Hg @ 68 F.

PHYSICAL STATE : Liquid

(See Section 16 for abbreviation legend)

I	 	-	 	-	 	 																				 	 . - -	 	 	
							SE	СI	'IC	NC	1	.0	-	S'	TΑ	BI:	LI	ΤY	AN	ID	RE.	AC'	ΓI	VI:	ΓY					
1	 		 		 	 																				 	 	 	 	

CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Strong oxidizers and caustics.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e. COx, NOx

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

		Page	
	SECTION 11 - TOXICOLOGICAL PROPERTIES		
	To product or component toxicological information is available.		,
i	SECTION 12 - ECOLOGICAL INFORMATION		
N	o Information.		ı
Ï	SECTION 13 - DISPOSAL CONSIDERATIONS		
L f c d i	WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, local Standards. Discarded material should be incinerated at a permachacility. Liquids cannot be disposed of in a landfill. Do not reusentainer. State and Local regulations/restrictions are complex and differ from Federal regulations. Responsibility for proper waste dies with the owner of the waste. CPA WASTE CODE - If discarded (40 CFR 261): None; yields no liquit component when evaluated per EPA method 1311 (TCLP)	mitted se emp d may sposal	oty
i	SECTION 14 - TRANSPORTATION INFORMATION		i
D	OOT PROPER SHIPPING NAME: Flammable Liquid, N.O.S. (Consumer Commod	ity*)	
D	OOT HAZARD CLASS: 3 (ORM-D*)		
D	OOT UN/NA NUMBER: UN 1993 (NONE*) PACKING GROUP: III (NONE*)		
*	For containers of 1 quart or less.		
t	Note: The shipping information provided is applicable for domestic transport only. Different categorization may apply if shipped via codes of transportation and/or to non-domestic destinations.	_	nd
	SECTION 15 - REGULATORY INFORMATION		

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

Product Name: DAP FLEXIBLE CLEAR SEALANT

Revision Date: 08/01/2000 Page 6

|-----SECTION 15 - REGULATORY INFORMATION |-----

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER Xylene 1330-20-7 WT/WT % RANGE 25.0-40.0 % Xylene

TOXIC SUBSTANCES CONTROL ACT:

All ingredients are listed on the TSCA inventory

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME ----- CAS NUMBER Ethyl Benzene 100-41-4 1,2,4 Tri-methyl Benzene 95-63-6

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME ----- CAS NUMBER Amorphous Silicon Dioxide 112945-52-5 Acrylic Resin proprietary

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER No information is available

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

Product Name: DAP FLEXIBLE CLEAR SEALANT

Revision Date: 08/01/2000 Page 7

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 3 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 03/03/1999

REASON FOR REVISION:

SECTION 1: ADDRESS CHANGE AND NEW EMERGENGY CONTACT PHONE NUMBERS

VOC less water, less exempt solvent: 340-350 g/L(32-33%)

VOC material: 340-350 g/L

LEGEND: ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

N.A. - NOT APPLICABLE N.E. - NOT ESTABLISHED

PEL - PERMISSIBLE EXPOSURE LIMIT
NTP - NATIONAL TOXICOLOGY PROGRAM

SARA - SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986

STEL - SHORT TERM EXPOSURE LIMIT

TLV - THRESHOLD LIMIT VALUE (8 HR. TIME WEIGHTED AVERAGE OR TWA)

VOC - VOLATILE ORGANIC COMPOUND NJRTK - NEW JERSEY RIGHT TO KNOW LAW

N.D. - NOT DETERMINED

MSDS# 77019

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.
